

Disclosures ✓ No relevant financial disclosures

Normal Echocardiography

Why do we need to review this?

- ✓ Recognize pathology when it exists
- ✓ ASCeXAM
 - Standardized image acquisition
 - Image optimization
 - Anatomic identification
 - Chamber quantification
 - "Less known" normal structures
 - AUC/Indications/Contraindications



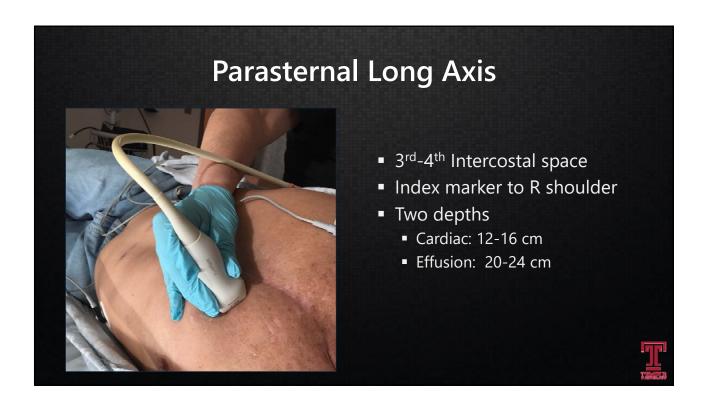
Appropriate Use

Indication		Appropriate use score (1-9)
	Murmur or Click With TTE	
34.	 Initial evaluation when there is a reasonable suspicion of valvular or structural heart disease 	A (9)
35.	• Initial evaluation when there are no other symptoms or signs of valvular or structural heart disease	I (2)
36.	 Re-evaluation in a patient without valvular disease on prior echocardiogram and no change in clinical status or cardiac exam 	l (1)
37.	 Re-evaluation of known valvular heart disease with a change in clinical status or cardiac exam or to guide therapy 	A (9)
	Native Valvular Stenosis With TTE	
38.	 Routine surveillance (<3 y) of mild valvular stenosis without a change in clinical status or cardiac exam 	I (3)
39.	 Routine surveillance (≥3 y) of mild valvular stenosis without a change in clinical status or cardiac exam 	A (7)
40.	 Routine surveillance (<1 y) of moderate or severe valvular stenosis without a change in clinical status or cardiac exam 	I (3)
41.	Routine surveillance (≥1 y) of moderate or severe valvular stenosis without a change in clinical action as a solid in survey.	A (8)

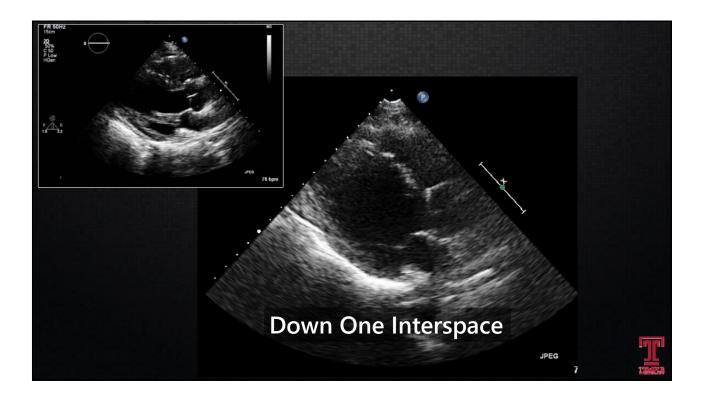
- ✓ Appropriate Use Criteria for Echocardiography
 - J Am Soc Echocardiogr 2011;24:229-267

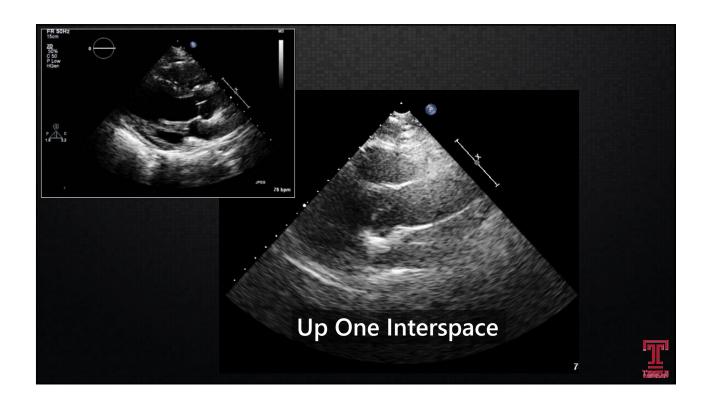


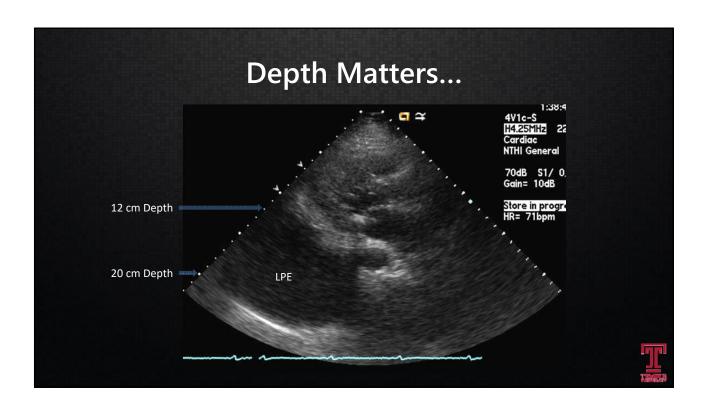




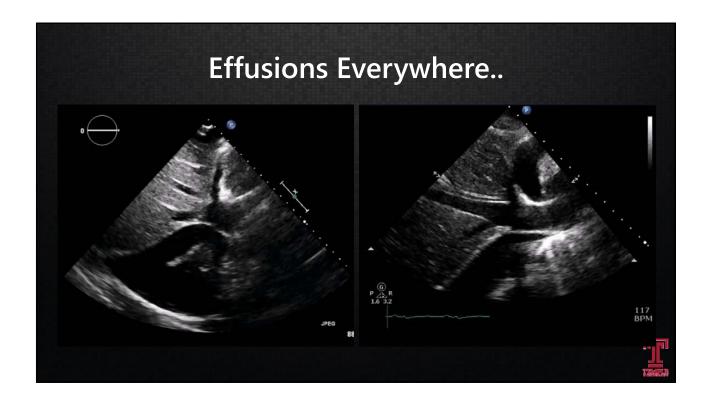


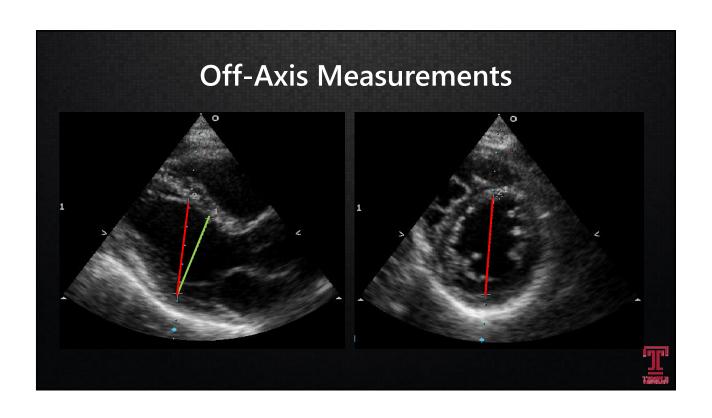


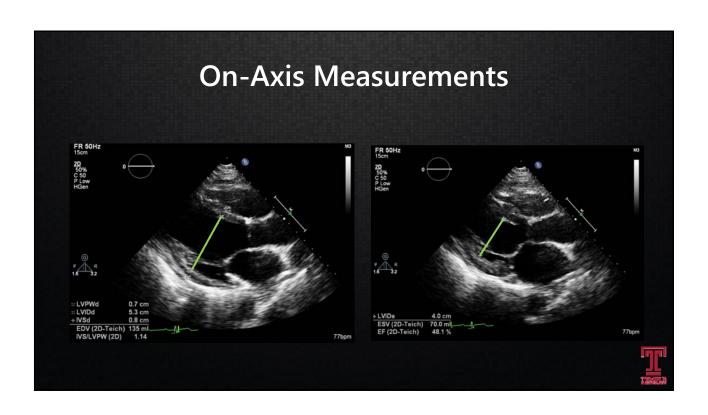


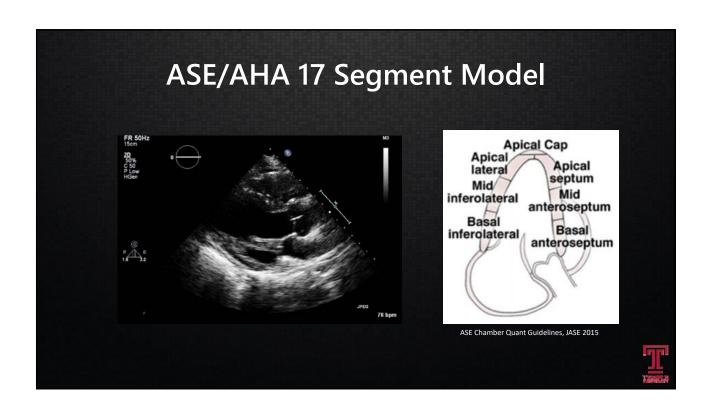


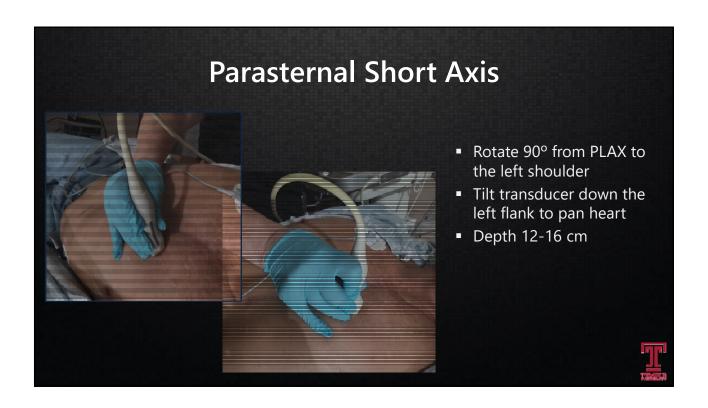


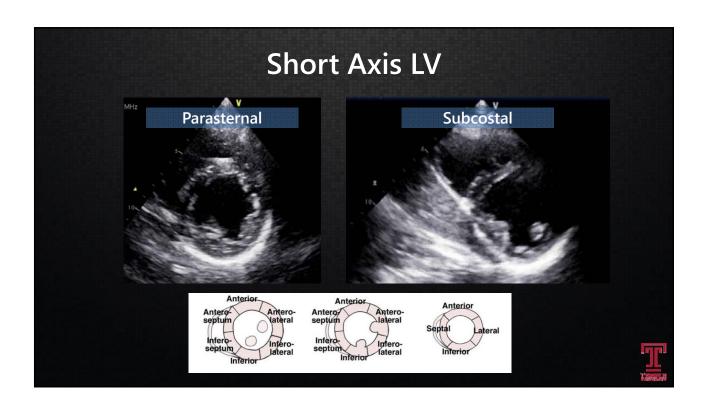


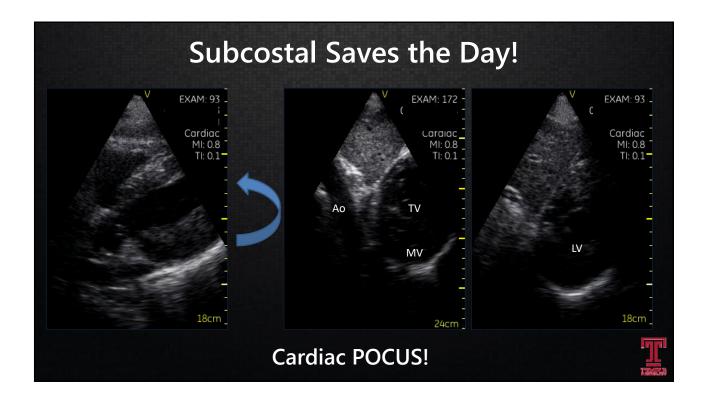


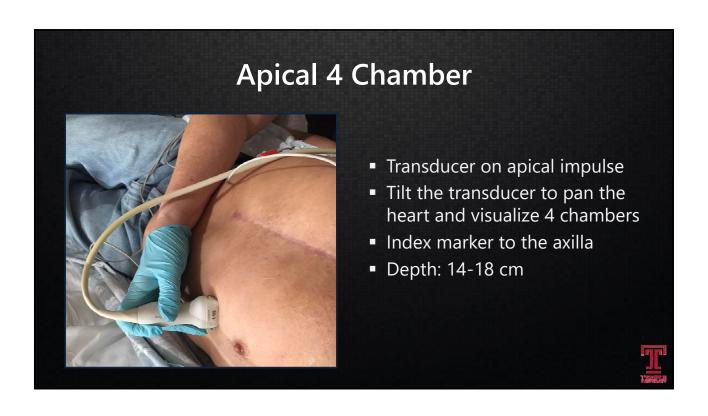


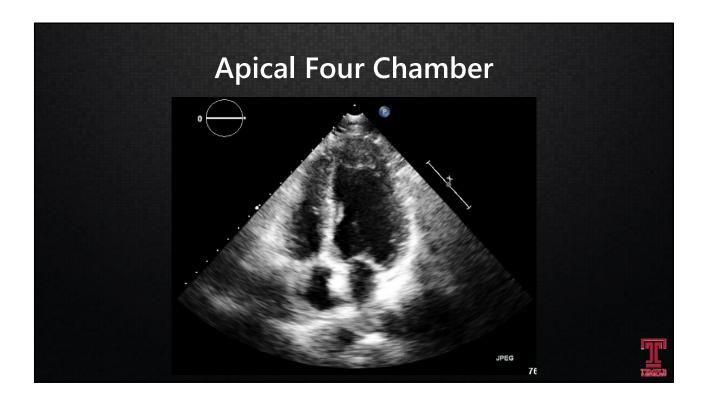


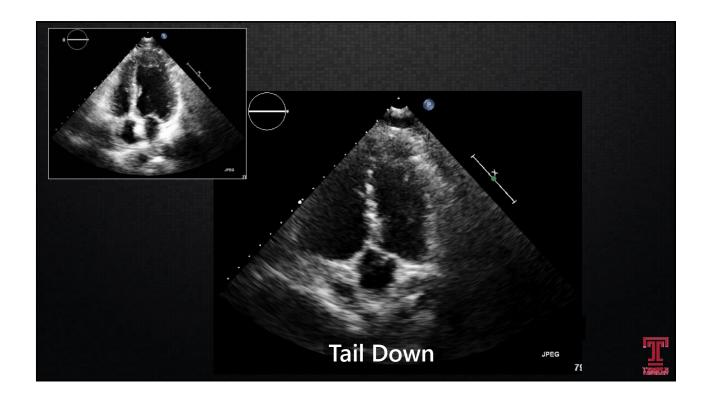


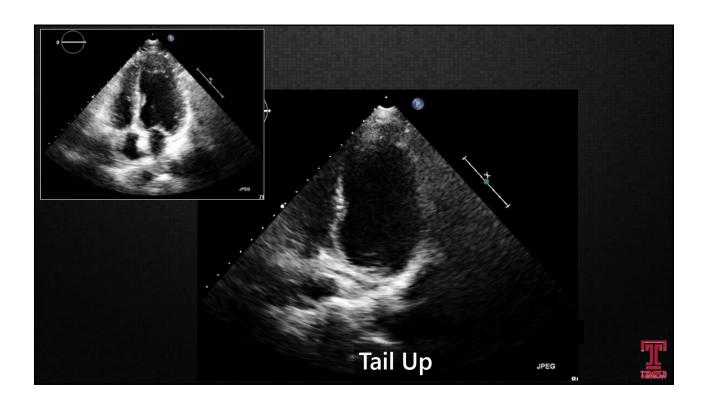


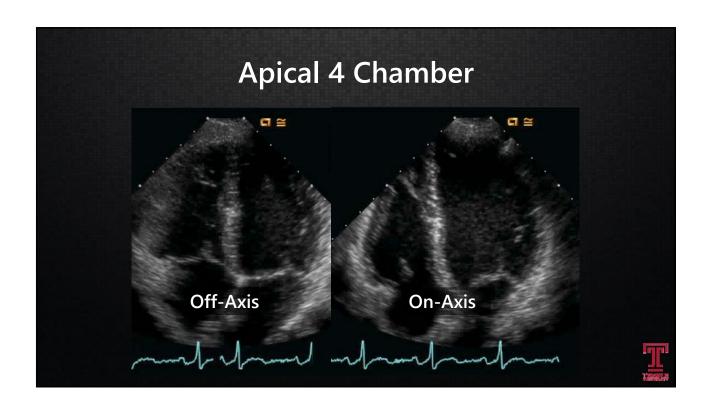




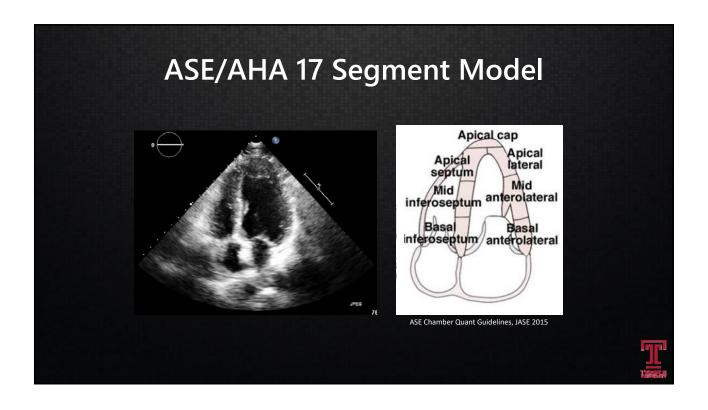


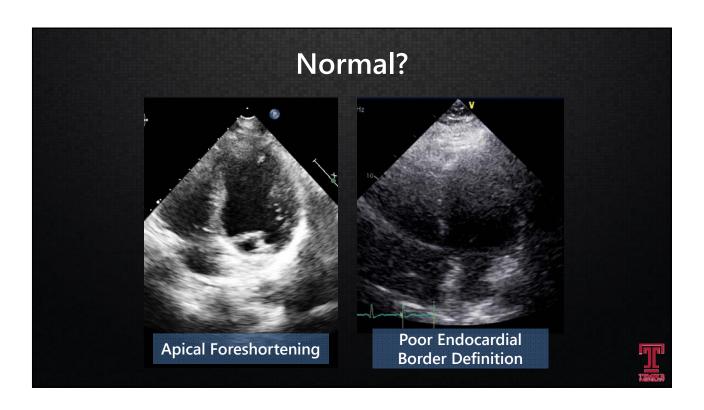


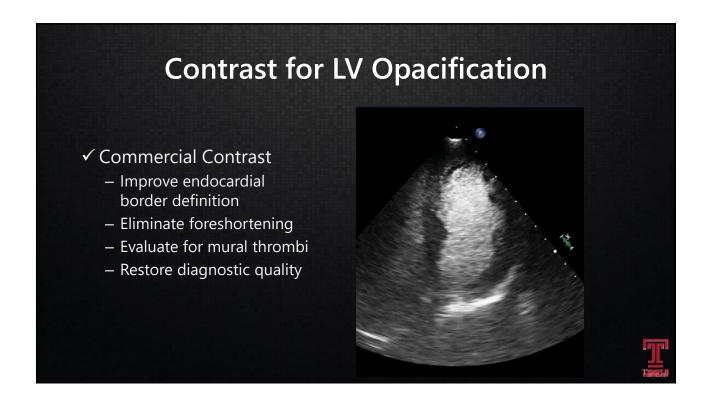


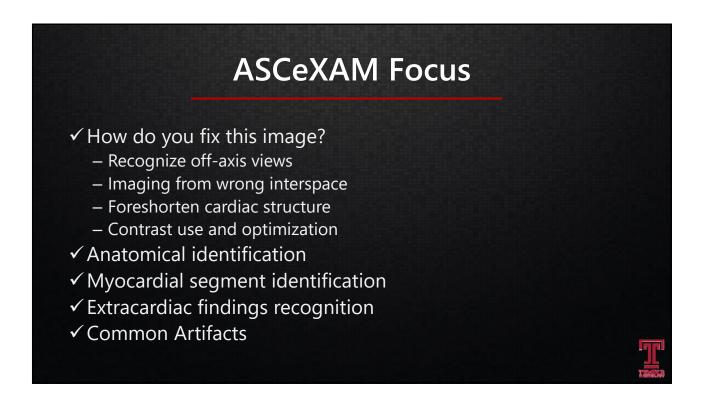


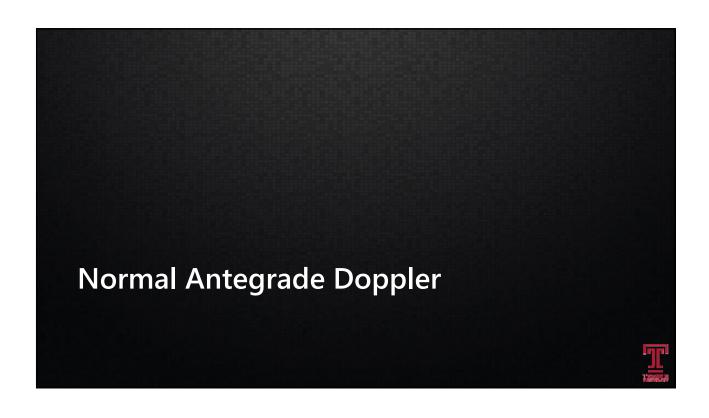


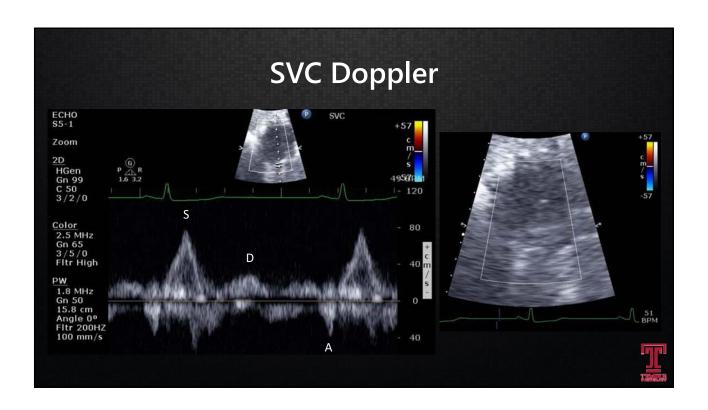


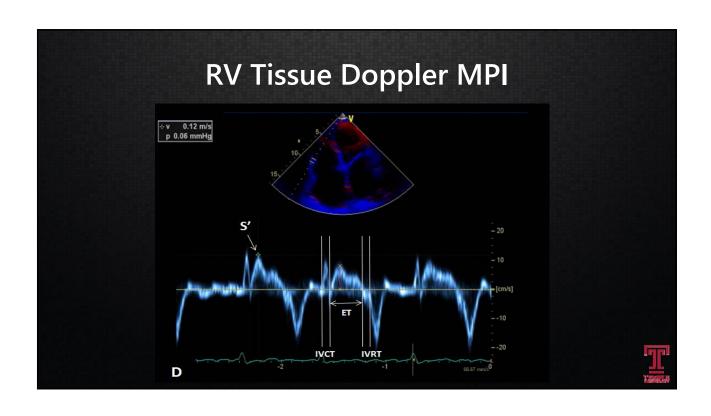


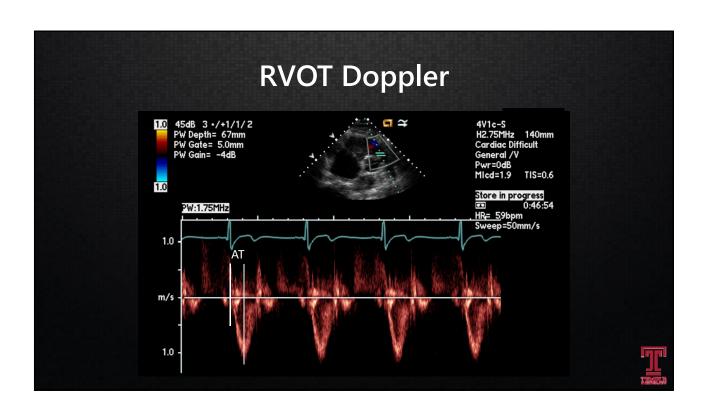


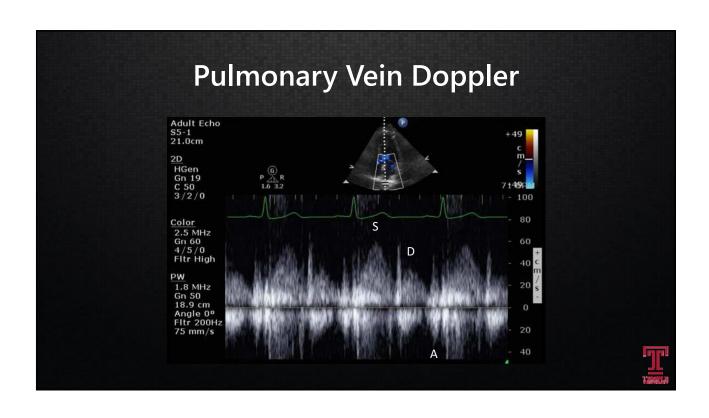


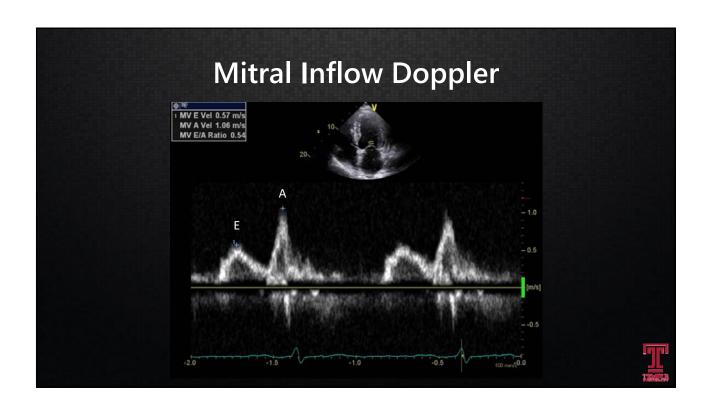


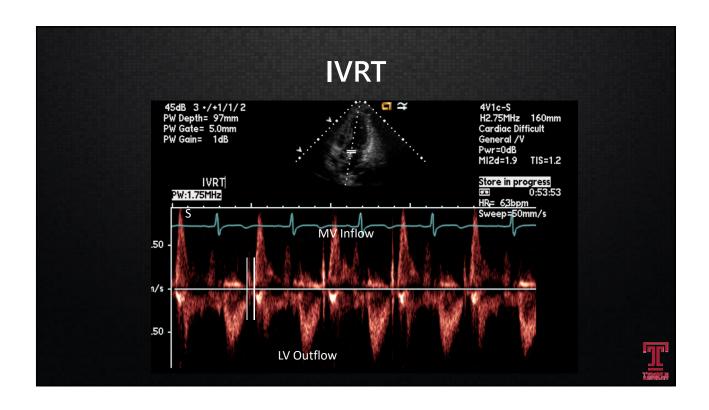


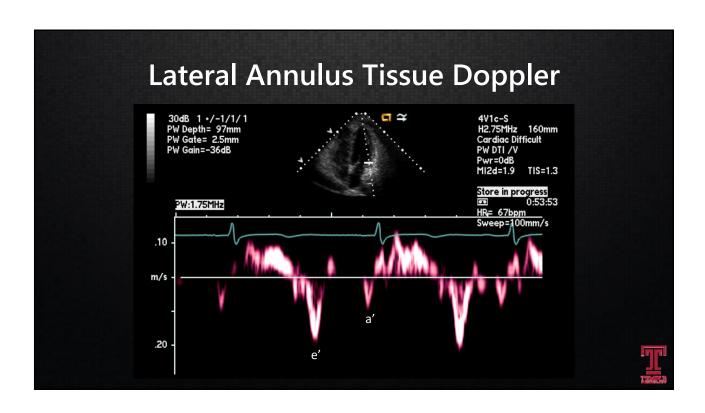


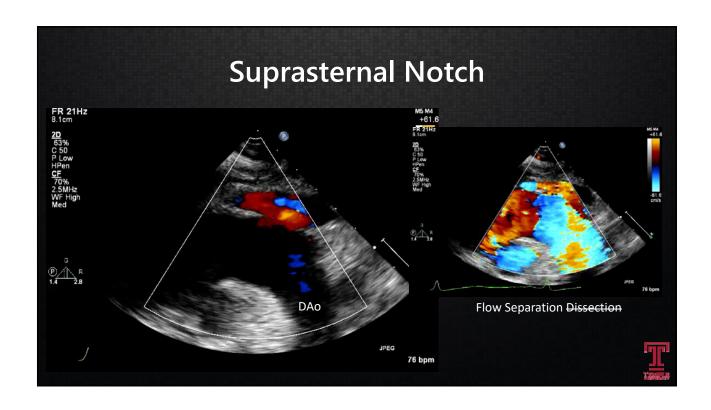


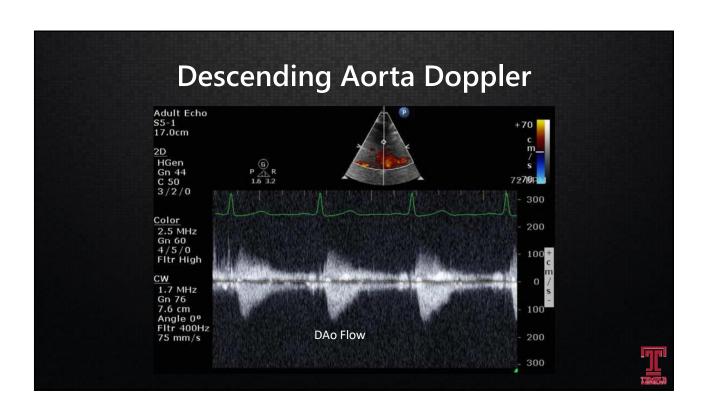












ASCeXAM Focus

- ✓ Recognize normal antegrade color flow and spectral Doppler patterns
- ✓ Distinguish artifact from pathologic flow
- ✓ Optimize the acquisition of Doppler echocardiography



Normal Cardiac Structures



Persistent Venous Valves Chiari Network Eustachian Valve No known function Directs IVC flow across fossa ovalis in fetus Not present in every patient Netlike structure that is a highly mobile remnant of sinus venosus Ridge of tissue - rarely mobile at all Visually arises from the vicinity of the IVC not attached to the septum

